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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : D21C 1/00, C12Q 1/68, G01N 33/574, A01N 43/04	A3	(11) International Publication Number: WO 99/49774 (43) International Publication Date: 7 October 1999 (07.10.99)
(21) International Application Number: PCT/US99/06947 (22) International Filing Date: 30 March 1999 (30.03.99) (30) Priority Data: 60/080,044 31 March 1998 (31.03.98) US (71) Applicants (for all designated States except US): GENZYME CORPORATION [US/US]; One Mountain Road, P.O. Box 9322, Framingham, MA 01701-9322 (US). JOHN HOPKINS UNIVERSITY [US/US]; School of Medicine, 824 Ross Research Building, 720 Rutland Avenue, Baltimore, MD 21205 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): JEN, Jin [US/US]; 2104 Heritage Drive, Baltimore, MD 21209 (US). BEAUDRY, Gary, A. [US/US]; 109 Inwood Avenue, Montclair, NJ 07043 (US). MADDEN, Stephen, L. [US/US]; 137 Nobscot Road, Sudbury, MA 01776 (US). BERTELSEN, Arthur, H. [US/US]; 215 Manor Road, Ridgewood, NJ 07450-4715 (US). (74) Agents: KONSKI, Antoinette, F. et al.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).		(81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 29 December 1999 (29.12.99)
(54) Title: METHODS FOR THE DIAGNOSIS AND TREATMENT OF LUNG CANCER		
(57) Abstract The present invention provides methods for aiding in the diagnoses of the neoplastic condition of a lung cell, and methods of screening for a potential therapeutic agent for the reversal of the neoplastic condition.		

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/06947

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) : D21C 1/00; C12Q 1/68; G01N 33/574; A01N 43/04 US CL : 424/277.1; 435/6, 7.23; 514/44 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 424/277.1; 435/6, 7.23; 514/44 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST, Dialog		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HIBI et al. Frequent Overexpression of PGP9.5 in non-small cell lung cancer. Proceedings of the American Association for Cancer Research. March 1999, Vol. 40, page 610, especially 610.	1, 3, 6, 8, 11-14, 16, 19, 21, 24, 26, 29, 30
Y	GUPTA et al. Regulation of an Eukaryotic Initiation Factor-2 (eIF-2) Associated 67 kDa Glycoprotein (p67) and It's Requirement in Protein Synthesis. Gene Expression. 1995, Vol. 5, No. 2, pages 113-122, especially page 113.	1, 5-6, 10-14 18-19, 23, 24, 28-30
Y	GILBERT et al. Low Specificity of PGP9.5 expression for detection of micrometastatic neuroblastoma. British Journal of Cancer. 1997, Vol. 75, No. 12, pages 1779-1781, especially page 1779.	1, 3, 6, 8, 11-14, 16, 19, 21, 24, 26, 29-30
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Date of the actual completion of the international search 14 OCTOBER 1999	Date of mailing of the international search report <div style="font-size: 1.5em; font-weight: bold;">10 NOV 1999</div>	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer <div style="text-align: center;"> JENNIFER HUNT </div> Telephone No. (703) 308-0196	

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Y	WO 94/07538 A1 (THOMAS JEFFERSON UNIVERSITY) 14 April 1994, abstract.	1,2,6-7,11-15,19,20,24-25,29,30
Y,P	US 5,888,796 A (CHANG) 30 March 1999, abstract.	1,5,6,10-14 ,18,19, 23, 24,28-30
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